

Message

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**From:** Dietrich, Gwen [Dietrich.Gwen@epa.gov]  
**Sent:** 1/9/2018 8:41:19 PM  
**To:** French, Roberts [french.roberts@epa.gov]  
**CC:** Pugliese, Holly [pugliese.holly@epa.gov]; Suarez, Patricia [suarez.patricia@epa.gov]; Sun, Lisa [Sun.Lisa@epa.gov]; France, Jennifer [france.jennifer@epa.gov]; Levin, David [Levin.David@epa.gov]  
**Subject:** RE: Final GHG report  
**Attachments:** 420r18002.pdf

Rob,  
Attached is the latest report for posting on the Web:  
**EPA-420-R-18-002 - Greenhouse Gas Emission Standards for Light-Duty Vehicles - Manufacturer Performance Report for the 2016 Model Year**  
File is 2,585 and 110 pages.

Gwen Dietrich  
Communications/Graphic Design Specialist  
Senior Service America, Inc. (Grantee)  
Supporting the Office of Transportation and Air Quality  
U.S. Environmental Protection Agency  
734-214-4639

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**From:** French, Roberts  
**Sent:** Tuesday, January 09, 2018 2:19 PM  
**To:** Dietrich, Gwen <Dietrich.Gwen@epa.gov>  
**Cc:** Pugliese, Holly <pugliese.holly@epa.gov>; Suarez, Patricia <suarez.patricia@epa.gov>; Sun, Lisa <Sun.Lisa@epa.gov>; France, Jennifer <france.jennifer@epa.gov>; Levin, David <Levin.David@epa.gov>  
**Subject:** RE: Final GHG report

Gwen,

Here it is. The changes were limited to three tables in Appendix A, all on page 81.

Thanks!

Rob

**Roberts W. French, Jr.**  
U.S. Environmental Protection Agency  
National Vehicle and Fuel Emissions Laboratory  
2000 Traverwood Drive  
Ann Arbor, Michigan 48105  
(734) 214-4380

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**From:** Dietrich, Gwen  
**Sent:** Tuesday, January 9, 2018 1:16 PM  
**To:** French, Roberts <french.roberts@epa.gov>  
**Cc:** Pugliese, Holly <pugliese.holly@epa.gov>; Suarez, Patricia <suarez.patricia@epa.gov>; Sun, Lisa <Sun.Lisa@epa.gov>; France, Jennifer <france.jennifer@epa.gov>; Levin, David <Levin.David@epa.gov>  
**Subject:** RE: Final GHG report

Rob,  
Send along and I will get it done.

Gwen Dietrich  
Communications/Graphic Design Specialist  
Senior Service America, Inc. (Grantee)  
Supporting the Office of Transportation and Air Quality  
U.S. Environmental Protection Agency  
734-214-4639

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**From:** French, Roberts  
**Sent:** Tuesday, January 09, 2018 1:06 PM  
**To:** Dietrich, Gwen <[Dietrich.Gwen@epa.gov](mailto:Dietrich.Gwen@epa.gov)>  
**Cc:** Pugliese, Holly <[pugliese.holly@epa.gov](mailto:pugliese.holly@epa.gov)>; Suarez, Patricia <[suarez.patricia@epa.gov](mailto:suarez.patricia@epa.gov)>; Sun, Lisa <[Sun.Lisa@epa.gov](mailto:Sun.Lisa@epa.gov)>; France, Jennifer <[france.jennifer@epa.gov](mailto:france.jennifer@epa.gov)>; Levin, David <[Levin.David@epa.gov](mailto:Levin.David@epa.gov)>  
**Subject:** RE: Final GHG report

Gwen,

The report looks great. Unfortunately I found some errors in one of the Appendices. Not major, but worth fixing if we can. I'll send a new version later today.

Rob

**Roberts W. French, Jr.**  
U.S. Environmental Protection Agency  
National Vehicle and Fuel Emissions Laboratory  
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Ann Arbor, Michigan 48105  
(734) 214-4380

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**From:** Dietrich, Gwen  
**Sent:** Thursday, January 4, 2018 3:45 PM  
**To:** French, Roberts <[french.roberts@epa.gov](mailto:french.roberts@epa.gov)>  
**Cc:** Pugliese, Holly <[pugliese.holly@epa.gov](mailto:pugliese.holly@epa.gov)>; Suarez, Patricia <[suarez.patricia@epa.gov](mailto:suarez.patricia@epa.gov)>; Sun, Lisa <[Sun.Lisa@epa.gov](mailto:Sun.Lisa@epa.gov)>; France, Jennifer <[france.jennifer@epa.gov](mailto:france.jennifer@epa.gov)>; Levin, David <[Levin.David@epa.gov](mailto:Levin.David@epa.gov)>  
**Subject:** RE: Final GHG report

Rob,  
I have prepared the report for posting on the Web (added cover, formatted, metadata and optimized):  
**EPA-420-R-18-002 - Greenhouse Gas Emission Standards for Light-Duty Vehicles - Manufacturer Performance Report for the 2016 Model Year**  
File is 2,584 and 110 pages.

Please review the report before posting. I looked over the report myself so that nothing odd happened in PDF conversion (tables/charts) or in Optimization. I didn't see anything, but you're the expert on this one.

By the way the changes that you made to the report were excellent improvements, easier readability. Good Job!

I will work on the data tables next.

Gwen Dietrich

Communications/Graphic Design Specialist  
Senior Service America, Inc. (Grantee)  
Supporting the Office of Transportation and Air Quality  
U.S. Environmental Protection Agency  
734-214-4639

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**From:** Levin, David  
**Sent:** Thursday, January 04, 2018 2:54 PM  
**To:** French, Roberts <[french.roberts@epa.gov](mailto:french.roberts@epa.gov)>  
**Cc:** Pugliese, Holly <[pugliese.holly@epa.gov](mailto:pugliese.holly@epa.gov)>; Suarez, Patricia <[suarez.patricia@epa.gov](mailto:suarez.patricia@epa.gov)>; Sun, Lisa <[Sun.Lisa@epa.gov](mailto:Sun.Lisa@epa.gov)>; France, Jennifer <[france.jennifer@epa.gov](mailto:france.jennifer@epa.gov)>; Dietrich, Gwen <[Dietrich.Gwen@epa.gov](mailto:Dietrich.Gwen@epa.gov)>  
**Subject:** RE: Final GHG report

Hi Rob,  
As per your request, I have assigned a new 2018 OTAQ Publication Number to the document:

**Greenhouse Gas Emission Standards for Light-Duty Vehicles: Manufacturer Performance Report for the 2016 Model Year**  
Publication number: **EPA-420-R-18-002**

Gwen will be formatting the document for you. Please let us know if you have any questions or concerns.  
Thanks,

David

David Levin  
Communications / Information Management Specialist  
Senior Service America, Inc. (Grantee)  
Supporting the Office of Transportation and Air Quality  
Phone: 734-214-4353

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**From:** French, Roberts  
**Sent:** Wednesday, January 03, 2018 1:30 PM  
**To:** Dietrich, Gwen <[Dietrich.Gwen@epa.gov](mailto:Dietrich.Gwen@epa.gov)>  
**Cc:** Pugliese, Holly <[pugliese.holly@epa.gov](mailto:pugliese.holly@epa.gov)>; Levin, David <[Levin.David@epa.gov](mailto:Levin.David@epa.gov)>; Suarez, Patricia <[suarez.patricia@epa.gov](mailto:suarez.patricia@epa.gov)>; Sun, Lisa <[Sun.Lisa@epa.gov](mailto:Sun.Lisa@epa.gov)>; France, Jennifer <[france.jennifer@epa.gov](mailto:france.jennifer@epa.gov)>  
**Subject:** RE: Final GHG report

Also, I have created an Excel file with the data tables that I would like to post. After not doing this for a year or two, I have had several requests to bring it back. There is no content in this spreadsheet that is not in the report itself.

See below for where it should be located.

Following the model of the Trends Report, the title of this document should be:

- Report Tables for Greenhouse Gas Emission Standards for Light-Duty Vehicles: Manufacturer Performance Report for the 2016 Model Year (XLSX)

Thanks!

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## 2016 Model Year Report

The 2016 model year report, available above, contains updated data for previous model years as well and supersedes all previous versions of the report. The 2016 model year report is available for reference only.

Excel file  
link →

- [GHG Emission Standards for Light-Duty Vehicles: Manufacturer Performance Report for the 2016 Model Year \[PDF\]](#) (xx pp, x MB, EPA-420-R-17-017, December 2017)

## 2015 Model Year Report

- [GHG Emission Standards for Light-Duty Vehicles: Manufacturer Performance Report for the 2015 Model Year \[PDF\]](#) (104 pp, 1.29 MB, EPA-420-R-16-014, November 2016)

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Contact Us to ask a question, provide feedback, or report a problem.

**Roberts W. French, Jr.**  
U.S. Environmental Protection Agency  
National Vehicle and Fuel Emissions Laboratory  
2000 Traverwood Drive  
Ann Arbor, Michigan 48105  
(734) 214-4380

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**From:** Dietrich, Gwen

**Sent:** Tuesday, December 5, 2017 11:02 AM

**To:** French, Roberts <[french.roberts@epa.gov](mailto:french.roberts@epa.gov)>

**Cc:** Pugliese, Holly <[pugliese.holly@epa.gov](mailto:pugliese.holly@epa.gov)>; Levin, David <[Levin.David@epa.gov](mailto:Levin.David@epa.gov)>; Suarez, Patricia <[suarez.patricia@epa.gov](mailto:suarez.patricia@epa.gov)>; Sun, Lisa <[Sun.Lisa@epa.gov](mailto:Sun.Lisa@epa.gov)>; France, Jennifer <[france.jennifer@epa.gov](mailto:france.jennifer@epa.gov)>

**Subject:** RE: Final GHG report

Rob,

1. The legibility of the numbers: Making the light blue bars – lighter may help. Although I find that the size of the numbers is the issue overall having been established by the size of the chart. So there isn't much of an option except for making the blue bars lighter. I printed the chart out and the background ink bleeds into all the numbers, just the nature of a regular office printer ( unless we were going to press quality).
2. I agree. The dashed-dotted line doesn't work. Perhaps changing to a solid grey or medium blue.
3. 3., 4., and 5.: We always ask the owners of the document to make these type of changes, so they have ALL the changes in their final file that is sent to us.

If you would like me to come over and see what might work, I would be glad to, just call.

Gwen Dietrich  
Communications/Graphic Design Specialist  
Senior Service America, Inc. (Grantee)  
Supporting the Office of Transportation and Air Quality  
U.S. Environmental Protection Agency  
734-214-4639

**From:** French, Roberts

**Sent:** Tuesday, December 05, 2017 9:19 AM

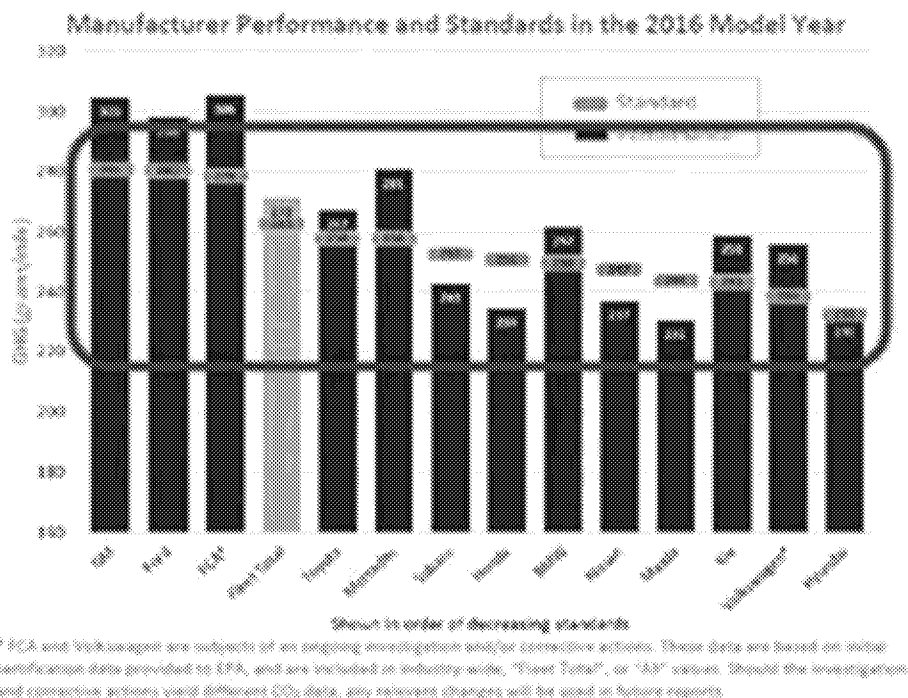
**To:** Dietrich, Gwen <Dietrich.Gwen@epa.gov>; Levin, David <Levin.David@epa.gov>; Suarez, Patricia <suarez.patricia@epa.gov>; Sun, Lisa <Sun.Lisa@epa.gov>

**Cc:** Pugliese, Holly <pugliese.holly@epa.gov>

**Subject:** RE: Final GHG report

Thank you Gwen. I have five items I'd like to consider changing, so please direct me on the best way to do this. If we can tackle all five, then I think I will probably just need to get you a new file.

1. I'm worried about the numbers in the light blue bars printing legibly, or even being legible enough on-screen. Do you think this is an issue, and should I change the appearance of this chart (in the Executive Summary)?



2. I'm worried about the line dividing FCA and VW from the others appearing too much like a solid line. I want it to be noticeably different from the solid lines below it. What do you think? This would require a re-do of the whole document, I imagine, because many tables would be changed.

Suzuki	1,042,100	4,447,470	4,797,470	3,173,474
Suzuki	448,408	329,382	98,860	876,650
Tesla	-	35,580	14,192	49,772
Toyota	31,325,738	34,457,797	14,651,963	80,435,498
Volvo	194,289	359,436	176,462	780,187
FCA*	6,265,066	5,310,269	(1,164,014)	10,411,321
Volkswagen*	2,243,205	2,811,663	1,386,537	6,441,405
All	96,478,389	96,634,380	38,201,238	211,114,007

\* FCA and Volkswagen are listed separately in this table due to an ongoing investigation and/or corrective actions. These data are based on initial certification data, and are included in industry-wide "Total" or "All" values. Should the investigation and corrective actions yield different CO<sub>2</sub> data, any relevant changes will be used in future reports.

3. There's an error in Tables 3-5 and 3-6, where a label says "Car" but should say "All".

	All	12	29	8	3	4	2	22	8	88
	Car	6	6	0	2	0	0	8	4	26
2016	Truck	11	17	0	2	0	3	8	1	40
	Car	18	23	0	4	0	3	14	5	66

\*PCA and PCA-Light are listed separately in this table due to an ongoing investigation and/or corrective actions. These figures are based on initial certification data, and are included in industry-wide "Total" or "All" values. Should the investigation and corrective actions yield different CO<sub>2</sub> data, any relevant changes will be used in future reports.

4. I need to fix one manufacturer name and populate some data in Table B-2.

Table B-2. Vehicle Category Market Share by Manufacturer and Model Year (%)

Manufacturer	2012		2013		2014		2015		2016	
	Car	Truck	Car	Truck	Car	Truck	Car	Truck	Car	Truck
BMW	74	26	75	25	78	22	80	20	74	26
BYD Motors	100	0	100	0	100	0				
Coda	100	0	100	0						
FCA	35	65	43	57	31	69	35	65	32	68
Fisker										
Ford	60	40	49	51	54	46	48	52	46	54
GM	61	39	61	39	57	43	47	53	47	53
Honda	68	32	68	32	60	40	65	35	59	41
Hyundai	93	7	97	3	93	7	94	6	97	3
Jaguar Land Rover	23	77	25	75	18	82	22	78	15	85
Kia	90	10	97	3	95	5	93	7	78	22
Mazda	76	24	73	27	73	27	72	28	67	33
Mercedes	68	32	70	30	75	25	65	35	67	33
Other	91	10	76	36	67	33	76	24	66	34

5. While not critical, I would like to change all the tables in Appendix C to put zeros in the appropriate places in the tables. For example:

Table C-1. 2012 Compliance Values - Combined Passenger Car & Light Truck Fleet (g/mi)

Manufacturer	2-Cycle Tailpipe	Credits (g/mi)			CO <sub>2</sub> & NO <sub>x</sub> Deficit	Compliance Value
		FFV	A/C	Off-Cycle		
BMW	302	0	8	3	0	250
BYD Motors		0	0	0	0	0
Coda		0	0	0	0	0
Ford	315	14	6	0	1	295
GM	331	16	8	1	0	306
Honda	266	0	4	0	0	263
Hyundai	249	0	4	0	0	244
Other	274	1	1	1	1	271

Thanks!

From: Dietrich, Gwen

Sent: Monday, December 4, 2017 2:06 PM

To: French, Roberts <french.roberts@epa.gov>; Levin, David <Levin.David@epa.gov>; Suarez, Patricia <suarez.patricia@epa.gov>; Sun, Lisa <Sun.Lisa@epa.gov>

Cc: Pugliese, Holly <pugliese.holly@epa.gov>

Subject: RE: Final GHG report

Rob,

I have prepared the report for posting on the Web (added cover, formatted, metadata and optimized):

EPA-420-R-17-009 - Greenhouse Gas Emission Standards for Light-Duty Vehicles - Manufacturer Performance Report

I did check through the report for PDF consistency in matching your Word version, I believe all is fine, but please check through yourself, since you probably have this memorized.  
Thank you.

Gwen Dietrich

Communications/Graphic Design Specialist  
Senior Service America, Inc. (Grantee)  
Supporting the Office of Transportation and Air Quality  
U.S. Environmental Protection Agency  
734-214-4639

---

**From:** French, Roberts

**Sent:** Monday, December 04, 2017 11:31 AM

**To:** Levin, David <[Levin.David@epa.gov](mailto:Levin.David@epa.gov)>; Suarez, Patricia <[suarez.patricia@epa.gov](mailto:suarez.patricia@epa.gov)>; Sun, Lisa <[Sun.Lisa@epa.gov](mailto:Sun.Lisa@epa.gov)>; Dietrich, Gwen <[Dietrich.Gwen@epa.gov](mailto:Dietrich.Gwen@epa.gov)>

**Cc:** Pugliese, Holly <[pugliese.holly@epa.gov](mailto:pugliese.holly@epa.gov)>

**Subject:** FW: Final GHG report

Final report to add cover pages and prep for web.

---

**From:** French, Roberts

**Sent:** Monday, December 4, 2017 9:16 AM

**To:** Pugliese, Holly <[pugliese.holly@epa.gov](mailto:pugliese.holly@epa.gov)>

**Cc:** Zaremski, Sara <[zaremski.sara@epa.gov](mailto:zaremski.sara@epa.gov)>

**Subject:** Final GHG report

I've attached the GHG report, ready to be finalized and webified.

If I have time in the upcoming week or so, I will be preparing an Excel file with all the tables to go on the web as well. It would go under the 2016 report heading, as shown here:

---

## 2016 Model Year Report

The 2016 model year report, available above, contains updated data for previous model years as well and supersedes all previous versions of the report. The 2016 model year report is available for reference only.

Excel file  
link



- [GHG Emission Standards for Light-Duty Vehicles: Manufacturer Performance Report for the 2016 Model Year \(PDF\)](#) (xx pp, x MB, EPA-420-R-17-017, December 2017)

## 2015 Model Year Report

- [GHG Emission Standards for Light-Duty Vehicles: Manufacturer Performance Report for the 2015 Model Year \(PDF\)](#) (104 pp, 1.29 MB, EPA-420-R-16-014, November 2016)

[↑ Top of Page](#)

[Contact Us](#) to ask a question, provide feedback, or report a problem.

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